

Grade: K Unit: 6	Measurement and Data	3 Weeks
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Progression

Kindergarten	<b>Students will learn to distinguish and compare measurable attributes of objects. They will focus on understanding the length, height, or weight of a single object, as well as comparing two objects. Students will also learn to classify objects and sort them into categories.</b>
1 <sup>st</sup> Grade	In first grade, students will extend their understanding of length by measuring objects using non-standard units laid end-to-end. They will also compare the lengths of two objects by using a third object for reference. They will tell and write time to the nearest half hour, and will work with data in up to three categories.

**STUDENT LEARNING GOALS**

**Mathematics Standards** (*Appendices A & B*)

[K.MD.A.1](#): Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.

[K.MD.A.2](#): Directly compare two objects with a measurable attribute in common, to see which objects has “more of”/less of” the attribute, and describe the difference. For example, directly compare the heights of two children and describe one child as taller/shorter.

[K.MD.B.3](#): Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.

[MP1](#): Make sense of problems and persevere in solving them.

[MP6](#): Attend to Precision

<i>Interdisciplinary Standards</i>		<b>Key Vocabulary</b>		
<b>Technology Integration</b> <i>(Appendix C)</i>	<b>21<sup>st</sup> Century Skills</b> <i>(Appendix D)</i>	<b>Sort</b> <b>Compare</b> <b>Classify</b>	<b>Equal (To)</b> <b>Fewer (Than)</b> <b>Greater (Than)</b> <b>Less (Than)</b> <b>More (Than)</b> <b>Same As</b>	<b>Length</b> <b>Height</b> <b>Long, Longer</b> <b>Tall, Taller</b> <b>Short, Shorter</b> <b>Weight</b> <b>Heavy, Heavier</b> <b>Light, Lighter</b>
IS1. Information Strategies IS2. Information Use	TCS1. Use of Information TCS5. Problem Solving			
<b>Enduring Understandings</b>		<b>Essential Questions</b>		
<ul style="list-style-type: none"> <li>I can compare the length of two objects</li> <li>I can compare the height of two objects</li> <li>I can compare the weight of two objects</li> <li>I can describe an object with several attributes</li> <li>I can sort objects into categories</li> <li>I can compare the number of objects in each category.</li> </ul>		<ul style="list-style-type: none"> <li>Why do you measure objects?</li> <li>What attributes can you use to measure an object?</li> <li>What attributes can you use to describe an object?</li> <li>Why do you sort objects?</li> </ul>		

Assessment Plan			
Summative Assessment(s)/Performance Based Assessments including 21 <sup>st</sup> Century Learning		Formative and Diagnostic Assessment(s)	
		STAR Math Assessment (Fall) RCC Embedded Tasks and Assessments	
Learning Plan Components			
Text	Ready Common Core Mathematics Instruction K, 2014, Curriculum Associates, ISBN: 978-0-7609-8854-1		
Print	Ready Common Core Mathematics Teacher Resource Book K, 2014, Curriculum Associates, ISBN: 978-0-7609-8656-5		
Electronic	<a href="http://www.teacher-toolbox.com">www.teacher-toolbox.com</a> <a href="http://www.stratfordmath.wikispaces.com">www.stratfordmath.wikispaces.com</a> <a href="http://www.xtramath.org">www.xtramath.org</a>		
<b>Week 1</b>	Students will: <ul style="list-style-type: none"> <li>Compare the length of two objects to identify which is longer and which is shorter.</li> <li>Compare the height of two objects to identify which is taller and which is shorter.</li> <li>Describe several measurable attributes of a single object.</li> </ul>		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 26:</u> Compare Length (TRB 182-186)	Measurement Sentences – Comparing Length  Which is Longer?	*Number of the Week MI p. 101-104 PPS p. 49	<a href="#">Teacher-Toolbox</a>
<b>Week 2</b>	Students will: <ul style="list-style-type: none"> <li>Compare the weight of two objects to identify which is heavier and which is lighter.</li> <li>Describe several measurable attributes of a single object</li> </ul>		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 27:</u> Compare Weight (TRB 189-195)	Measurement Sentences – Comparing Weight  Which is Heavier?	*Number of the Week MI p. 105-108 PPS p. 50	<a href="#">Teacher-Toolbox</a>
<b>Week 3</b>	Students will: <ul style="list-style-type: none"> <li>Sort objects into given categories.</li> <li>Count the number of objects in each category.</li> <li>Compare the number of objects in each category.</li> </ul>		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 28:</u> Sort Objects (TRB 196-202)	Button Sort Hot and Cold Graph	*Number of the Week MI p. 109-112 PPS p. 51	<a href="#">Teacher-Toolbox</a> Sorting and Counting - Level K
Summative Assessment		Performance Task	
Unit 6 (based on RCC) Practice Resources Found online Teacher-Toolbox			